

## Nanometer level silver oxide and its production process

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### Abstract of CN1308102

The present invention relates to a nanometer-level silver oxide, its mean grain size is 80-100 nm, and the difference of maximum grain size and minium grain size is less than or equal to 5nm. Its production process includes the following steps: dissolving silvers nitrate by adding water, progressively adding concentrated ammonia water under the condition of stirring to obtain silver ammonia solution; then adding water and dissolving solid sodium hydroxide and protecting agent, and stirring them to obtain an alkali solution, then progressively adding the silver ammonia solution into the alkaline solution under the condition of stirring, fully stirring them, centrifugation to obtain silver oxide, washing and vacuum dryign so as to obtain the invented nanometer-level silver oxide with good stability and dispersity and uniform grain distribution. Its protecting agent can be polyvinyl-pyrrolidone (PVP) or polyvinyl alcohol.

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